

SOMOV, B.Ye.; LAPUK, B.B.; BULAVINOV, L.B.

Effect of the shape of the specific drainage area on the determination of the ultimate water-free yield of oil (gas) in oil and gas fields with bottom water. Trudy MINKHIGP no.42:98-106 '63. (MIRA 17:3)

PETROV, V.N.; SOMOV, P.Ye.

Determining the coefficient β in a binomial equation for gas flow.
Gaz. delo no.5:3-6 '65. (MIRA 18:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znaneni institut nefti-
khimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

SOMOV, G.M.; TARASOV, G.A.

Use of slender sounding borers in studying the properties and
thickness of friable deposits. Vop. razved. geofiz. no.3:181-
186 '64. (MIRA 18:2)

LASHKOV, B.P.; SOMOV, G.M.

Example of a rapid rapping of loose sediments and the
determination of their thickness. Vop.rzaved.gooftz.
no.4:51-53 '64.

(MIHA 19:1)

БОМОВ, Г.М.; ТАРАСОВ, Г.А.

Device for recovering metallometric samples from loose sediments.
Razved. i okh. nrdn 30 no.10:52-53 G '64. (MIRA 18.11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy
geofiziki.

L 04168-67 EWT(1) GG/GW

ACC NR: AT6026957

(N)

SOURCE CODE: UR/3175/66/000/028/0081/0086

AUTHOR: Somov, G. M.

46
Bt 1

ORG: VIRG

TITLE: Instrument for measuring the average strength of the electrical component of a natural electromagnetic field

SOURCE: ^{qm}USSR. Gosudarstvennyy geologicheskyy komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 28, 1966, 61-66

TOPIC TAGS: electric measurement, electric measuring instrument, electromagnetic field, geologic instrument

ABSTRACT: A device is described for measuring the electrical component (E) in the 16-20 cps range. A signal is sent from a pickup through a cathode follower to a divider, by means of which the measurement limits are switched. Then the signal is amplified by a selective amplifier with a high amplification and is sent to a clipper. After clipping and rectification the signal is sent to an integrating RC circuit in the form of unipolar pulses. The capacitor C charging time is determined by the operation of a time relay. The magnitude of the charge accumulated by the capacitor is measured by a d-c amplifier with a pointer-type indica-

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L 04168-67

ACC NR: AT6026957

tor at the output. The indicator scale is graduated in values of the average strength E during charging of the capacitor. The device is calibrated by means of a stabilized oscillator, the frequency of which is equal to the tuning frequency of the selective amplifier. The instrument was successfully tested during field studies in the Transbaykal region. More than 15,000 measurements of the average strength of the electric component of the natural electromagnetic field were made by means of this method during 1.5 months under various geological conditions. These data were used for geological mapping. The simplicity of the measurements with the instrument permit achieving approximately the same output during profiling as when using the usual devices for working on an LF alternating current. Since there are no power line and exciting oscillators, the instrument advantageously differs from the usual ones. The instrument is serviced by one operator and one worker. Orig. art. has:5 figures.

SUB CODE: 08,09,14/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Card 2/2 LC

ALEXSEEV, Yuri; Aleksandrovich; SAIG, Georgiy Aleksandrovich;
DAISEN, V., ed.

[parasites] Darmoody. Moskva, Politizdat, 1964. 77 p.
(MIRA 17:12)

SOMOV, G. P.; GRINSHPUN, L. F.; GENZER, B. I.

"A Multiple-cell Plexiglass Magazine For Mass Bacteriological Examinations,"
Voyenno-Med. Zhur., No. 11, p. 88, 1955.

SOMOV, G.P.; KHAZENSON, L.B.

~~Some~~ Some clinical bacteriological characteristics of the carrying of
dysentery pathogens in "healthy" persons. Zhur.mikrobiol.epid. i
immun., supplement for 1956:49-50 '57 (MIRA 11:3)
(SHIGELLA)

SOMOV, G.P.; KHAZENSON, L.B.

Length of incubation in dysentery. Zhur.mikrobiol.epid. i immun.
28 no.1:16-17 Ja '57. (MIRA 10:3)

1. Iz II Voenno-morskogo infektsionnogo gospiatalya.
(DYSENTRY, BACILLARY, physiology,
incubation time (Rus))

SOMOV, G.P.; KHAZENSON, L.B.

Epidemiological characteristics of the carrying of *Shigella*
dysenteriae by normal subjects. Zhur.mikrobiol.epid. i immun.
28 no.8:130-131 Ag '57. (MIRA 11:2)

1. Iz sanitarno-epidemiologicheskoy laboratorii, Vladivostok.
(DYSNTERY, VACILLARY, transmission,
carriage by normal subjects (Rus))

SOMOV, G.P., SHAPIRO, M.I., PETROV, A.A.

Studies on an island focus of North Asiatic tick-born typhus.
Zhur.mikrobiol.epid. i immun. 29 no.5:94-99 My '58 (MIRA 11:6)
(TYPHUS, epidemiology
in Russia, focus of North Asia tick-borne infect.
on island (Rus))

VYGOTSEIY, B.V., SOMOV, G.F.

Scientific conference in Vladivostok. Zhur.mikrobiol.epid. i
immun. 29 no.6:148-150 Ja '58 (MIRA 11:7)
(MARITIME TERRITORY--MEDICAL GEOGRAPHY)

YEREMEEV, V. I., VILKIN, V. I., ZHURAV, N. I., LINGOVA, A. I., SHALINA,
L. I., KRYZHEVA, L. I., KISHINEV, V. I.

"Further observations of tick-borne rickettsiosis in the Primorye
region." p. 107

Nauchno-issledovatel'skie i diagnosticheskie raboty v oblasti zoonoznykh
boleznykh zhivotnykh. 22-23 Oktobrya 1952 g. (Tenth Conference on
Zoonotical Problems and Diseases with Natural Food 22-23 October
1952, Moscow-Leningrad, 1952, Academy of Medical Sciences USSR and
Academy of Sciences USSR, No. 1, 251 pp.

Inst. of Epidemiology and Microbiology, AMS USSR/ Moscow and Valdivostock

GRUNIN, I.I., polkovnik meditsinskoy sluzhby; SMOV, G.P., polkovnik med.
sluzhby, kand.med.nauk; ZALMOVER, I.Yu., podpolkovnik med. sluzhby

Far Eastern scarlatinoid fever. Voen.-med. zhur. no.8:62-66 Ag
'60. (MIRA 14:7)

(MARITIME TERRITORY—SCARLET FEVER)

SOMOV, G.P.; VYSOTSKIY, B.V.

Conference in Vladivostok. Zhur.mikrobiol.epid.i imm.un. 31 no,8:
155-157 Ag '60. (MIRA 14:6)

(EPIDEMIOLOGY--CONGRESSES)

KULAGIN, S.M.; SOMOV, G.P.; SILICH, V.A.; FEDOROVA, N.I.; SHAPIRO, M.I.;
SUVOROVA, L.V.; BOBROVSKIY, V.N.

Further observations on tick-borne rickettsiosis in the Maritime
Territory. Zhur.mikrobiol.epid.i immun. 31 no.9:64-71 S '60.
(MIRA 13:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR, Vladivostokskogo instituta epidemiologii, mikrobiologii i
gigiyeny i meditsinskoy sluzhby Tikhookeanskogo flota.
(MARITIME TERRITORY—TYPHUS FEVER)

SOMOV, G.P.; ZELENKIN, A.A.; VINOGRADOV, V.Ya.; FEDORETS, Ye.A.

Features of the occurrence of the 1959 influenza epidemic in
the Far East. Zhur. mikrobiol. epid. i immun. 31 no. 10:116-119
0 '60. (MIRA 13:12)

(SOVIET FAR EAST—INFLUENZA)

1952, 1953.

History of the study of tick-borne rickettsiosis in the Maritime Territory. Trudy VNIEM no.2-39-44 '62. (Nis 18-3)

1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigieny.

SOMOV, G.P.; SHAPIRO, M.I.; PETROV, A.A.; ALEKSANDROV, Yu.V.

Etiology and epidemiology of tick-borne typhus fever on the
islands and coast of the Maritime Territory. Trudy VladJEMG
no.2:45-50 '62. (MIRA 18:3)

МЕДИЦИНА, ВОЕН. БОМБ. Д.П.

Materials on clinical characteristics, etiology and epidemiology
of tick-borne typhus fever in Main District of the Maritime
Territory. Trudy Vostok no. 2:50-56 '62. (MIRA 18:3)

1. Iz Vostochnonatsional'nogo issledovatel'skogo instituta
epidemiologii, mikrobiologii i gigieny.

SOMOV, G.P.; SHARISO, N.I.; PETROV, A.A.

Genetic sites in murine rodents on the islands of the southern
part of the Maritime Territory. Trudy VladIEMG no.2:94-104 '62.
(MIRA 18:3)

С. В. ШЕСТИАКОВ, М. Н. ЧАПЫРО, М. А. КРУДЯКОВ, И. С. ШЕСТИАКОВ. Vol.

Fauna of ectoparasites in small mammals of the coastal regions
and islands of the southern part of the Maritime Territory.
Trudy Vostok no. 2: 114-125 '62. (MIRA 18:5)

SOMOV, G.P., GAVRILYUK, B.K.

Cultivation of Rickettsia (Dermacentroxeus sibiricus) in the
renal cells of the guinea pig embryo. Trudy VladJEMG no.2
238-239 '62. (MIRA 18:3)

LEGKODIMOVA, K.V.; SOMOV, G.P.

Data on clinical characteristics, etiology, and epidemiology of tick-borne exanthematous typhus in the Kalinin District of the Territory. Zhur.mikrobiol., epid. i immun. 32 no.10:112-117 O '61. (MIRA 14:10)

1. Iz Vladivostokskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(KALININ DISTRICT (MARITIME TERRITORY--TYPHUS FEVER))

SOMOV, G.P.

History of the study of tick-borne rickettsial diseases in the
Maritime Territory. Zhur.mikrobiol., epid.i immun. 33 no.4:42-
47 Ap '62. (MIRA 15:10)

1. Iz Vladivostokskogo instituta epidemiologii, mikrobiologii i
gigiyeny.

(MARITIME TERRITORY--RICKETTSIAL DISEASES)
(TICKS AS CARRIERS OF DISEASES)

SOMOV, G.P.; GAVRILYUK, B.K.

Cultivation of Rickettsia in trypsinized kidney cells of
human and guinea pig embryos. Zhur. mikrobiol. epid. i
immun. 33 no.10:76-80 0'62 (MIRA 17:4)

1. Iz Vladivostokskogo instituta epidemiologii, mikrobiologii
i gigiyeny.

LEBKODIMOVA, K.V.; SOMOV, G.P.

Some biological properties of the cultures of *Dermacentroxeuus sibiricus* isolated in the central regions of the Maritime Territory. Trudy Len. inst. epid. i mikrobiol. 25:178-184 '63. (MIRA 17:1)

1. Iz laboratorii rikketsiozov Vladivostokskogo instituta epidemiologii, mikrobiologii i gigiyeny i otdela osobo opasnykh infektsiy Leningradskogo institut epidemiologii i mikrobiologii imeni Pastera.

SOMOV, G.F.; SHESTAKOV, V.I.

Spontaneous infection of *Haemaphysalis japonica douglasi* Nutt. and Wart.
ticks by rickettsia of *Dermacentor sibiricus* in Maritime Territory.
Zhur.mikrobiol.,epid.i immun. 40 no.12:51-56 D '63. (MIRA 17112)

1. Iz Vladivostokskogo instituta epidemiologii, mikrobiologii i gisigieny.

SOMOV, G.P.; LONIDANOV, G.M.

Role of birds in circulating the pathogen of tick typhus fever
in nature. Zhur. mikrobiol., epid. i immun. 41 no.1:126-129
Ja '64. (MIRA 18:2)

1. Vladivostokskiy institut epidemiologii, mikrobiologii i
gigiyeny i Primorskaya krayevaya protivochumnaya stantsiya.

SOMOV, G.P.

Preparation of corpuscular antigen of the rickettsia *Dermacentroxenus sibiricus* on human embryo kidney tissue culture. Zhur. mikrobiol., epid. i immun. 41 no.3:123-126 Mr '64. (MIRA 17:11)

1. Vladivostokskiy institut epidemiologii, mikrobiologii i gigiyeny.

TARASEVICH, I.V.; KULAGIN, S.M.; KUDRYASHOVA, N.I.; GOFACHENKO, I.N.; SOMOV, G.P.

Natural focus of tsutsugamushi fever. Zhur.mikrobiol., epid. i immun.
41 no.5:19-24 My '64. (MIRA 18:2)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR
i Vladivostokskiy institut epidemiologii i mikrobiologii.

VINGRADOV, V.Ya.; BOGACHOV, G.I.

Use of the indirect hemolysis reaction for laboratory diagnosis of
tick-borne rickettsiosis. Lab. delo no.2:74-75 '65.

(MIRA 18:2)

L. Vladivostokskiy institut mikrobiologii, epidemiologii i gigiyeny
(direktor T.I. Ivanenko).

L 59483-65

ACCESSION NR: AP5011268

UR/0016/65/000/004/0006/0012

16
15
B

AUTHOR: Somov, G. P.

TITLE: Investigation of the role of muridae rodents as a reservoir of infection in North Asia tick rickettsiosis

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4, 1965, 6-12

TOPIC TAGS: Primorskiy kray, rodent, tick, rickettsiosis, D. sibiricus rickettsia, infection, serologic test, North Asia tick rickettsiosis, Microtis fortis, Apodemus agrarius

ABSTRACT: Investigations of 1679 muridae rodents as a reservoir of North Asia tick rickettsiosis in Primorskiy Kray from 1956 to 1963 showed the following distribution: Microtis fortis - 42.5%, Apodemus agrarius - 38.8%, Clethrionomys rufocanus - 6.1%, Apodemus speciosus - 6.6%, Eutamias sibiricus - 2.6%, and Chidotulus triton - 1.5%. The number of rodents fluctuated considerably depending on climate and food conditions, time of year, soil type, vegetation, and other conditions. The Microtis fortis and

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L 59483-65

ACCESSION NR: AP5011268

Cricetulus triton were found to be most sensitive to the causative agent of North Asia tick rickettsiosis. In experimental infection of rodents with D. sibiricus rickettsia the serological and microbiological tests show that all the animals developed acute infection within the first few days and then rickettsemia lasting 4-5 days. Complement fixation and hemagglutination reactions were studied up to 90 days following infection to determine immunological shifts of the blood serum. Highest titers were found on the 30th day, and by the 90th day the titers were generally negative. All the investigated rodents appear to participate in the support of the tick rickettsiosis causative agent by acting as a temporary reservoir of infection during seasonal activity of the ixodic larva. Orig. art. has: 2 tables and 1 figure.

ASSOCIATION: Vladivostokskiy institut mikrobiologii, epidemiologii, i gigiyeny (Vladivostok Institute of Microbiology, Epidemiology, and Hygiene)

SUBMITTED: 09Jun64

ENCL: 00

SUB CODE: LS

NR REF SOV: 010

OTHER: 000

Card 2/2 KC

L 62496-65 EWA(j)/EWA(b)-2/EWT(1) JK

ACCESSION NR: AP5020090

UR/0016/65/000/008/0039/0043
576.851.71.095.6

AUTHOR: Somov, G. P.; Shapiro, M. I.; Legkodiņova, K. V.

TITLE: Reproduction of the rickettsia *D. sibiricus* in human embryo kidney tissue studied by the fluorescent antibody method

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 8, 1965, 39-43

TOPIC TAGS: rickettsial disease, fluorescence, microbiology, antibody, biologic reproduction

ABSTRACT: The authors used the method of fluorescent antibodies to study the reproduction of *D. sibiricus* in monolayer trypsinized human embryo kidney cells. They found the technique superior to the ordinary staining methods chiefly because it facilitates the identification of even solitary rickettsias in cells. They recommend combining the tissue culture method with fluorescent microscopy as a means of investigating certain aspects of the pathogenesis of rickettsioses and of quickly determining the species of rickettsias isolated from various objects. Orig. art. has: 1 figure.

Card 1/2

L 62496-65

ACCESSION NR: AP5020090

ASSOCIATION: vladivostokskiy institut epidemiologii, mikrobiologii i gigiyeny
(Vladivostok Institute of Epidemiology, Microbiology, and Hygiene)

SUBMITTED: 30Jul64

ENCL: 00

SUB CODE: LS

NO REF SOV: 004

OTHER: 002

714
Card 2/2

SOMOV, G.P.; VINOGRADOV, V.Ya.

Experimental study of some modifications of the indirect hemagglutination reaction in tick-borne rickettsiosis of northern Asia.
Vop. virus. 10 no.1:83-87 Ja-F '65. (MIRA 18:5)

1. Vladivostokskiy nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny.

Isolation of the agent of infectious mononucleosis (Epstein-Barr virus) from the culture of mouse lymphoma cells in the cultures of kidney cells of the same animal. (MIRA 18:10)

1. Identification of the agent of infectious mononucleosis (Epstein-Barr virus) in the culture of mouse lymphoma cells.

СЕМОВ, Г.П.

Study of the role of marine rodents as an infection source in tick-borne rickettsiosis of the northern part of Asia. Zhur. mikrobiol., epid. i immun. 42 no.4:6-12 Ap '65.

(MIRA 18:5)

1. Vadvostokskiy institut mikrobiologii, epidemiologii i gigiyeny.

SOMOV, G.P.; SHAPIRO, M.I.; LEGKODIMOVA, K.V.

Study of the reproduction of the rickettsia *Dermacentroxeus sibericus* in human embryo renal tissue culture using the method of fluorescent antibodies. Zhur. mikrobiol., epid. i immun. 42 no.8:39-43 Ag '65. (MIRA 18:9)

1. Vladivostokskiy institut epidemiologii, mikrobiologii i gigiyeny.

TARASEVICH, I.V.; JOROV, G.P.

Comparative serological study of tick-borne rickettsiosis of
North Asia and tsutsuzuki fever. Zhur. mikrobiol. epid. i
immun. 43 no. 1:83-87 Ja '66 (MIRA 19:1)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AN
SSSR. Submitted September 22, 1964.

5.3300

AUTHORS: Petrov, A. D., Corresponding Member
AS USSR, Nikishin, G. I., Somov, G. V.

80002

S/020/60/131/05/032/069
B011/B117TITLE: High-temperature Condensation of Tetrachloroethylene With Aromatic Hydrocarbons and Olefines

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 5, pp 1098-1101 (USSR)

TEXT: The authors describe in their paper a new method to synthesize chlorohydrocarbons containing a trichlorovinyl group. The method is based on the reaction of hydrocarbons with tetrachloroethylene in an empty quartz tube (continuous system) at 550-590° (see assumed scheme). It became thereby apparent that the formation of trichloro allyl alcohol (from tetrachloroethylene with methanol at 570°, reference 3) is due to a reaction of more general importance. When a mixture of benzene and tetrachloroethylene was passed through the quartz tube, trichlorovinyl benzene (yield 14.4% with respect to the substances used, 55% with respect to benzene used up) was formed. Part of the benzene was converted to give diphenyl. The reaction of benzene with trichloroethylene proceeds analogously, and leads to dichlorovinyl benzene. When tetrachloroethylene is reacted with alkyl benzenes (toluene, ethyl benzene, isopropyl benzene and p-ethylol), the trichlorovinyl group enters the alkyl radical only, with the hydrogen atom of the benzene ring not being substituted in these cases. Table 1

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80002

High-temperature Condensation of Tetrachloroethylene
With Aromatic Hydrocarbons and Olefines

S/020/60/131/05/032/069
B011/B117

shows the experimental conditions and the yields of condensation products of tetra- and trichloroethylene with benzene, alkyl benzenes, propylene and isobutylene. The trichlorovinyl radical is substituted for hydrogen in the reaction of tetrachloroethylene with ethyl and isopropyl benzene not only at the α -, but also at the β -carbon atom of the side chain. When tetrachloroethylene is reacted with propylene and isobutylene,¹ the methyl group reacts so that dienes with the position 1,4 of the multiple bonds can result (see scheme). The final position of the double bond in the hydrocarbon part of the molecule of 1,1,2-trichloropentadiene-1,4 was confirmed by the Raman spectrum. The yields of $\text{Cl}_2\text{C}=\text{CCl}-\text{CH}_2-\text{C}(\text{CH}_3)=\text{CH}_2$ were 55-65%, that of $\text{Cl}_2\text{C}=\text{CCl}-\text{CH}_2-\text{CH}=\text{CH}_2$ 45-60% with respect to tetrachloroethylene consumed. The authors made an unsuccessful attempt to obtain $\text{Cl}_2\text{C}=\text{CCl}-\text{CH}=\text{CH}_2$ by reacting $\text{Cl}_2\text{C}=\text{CCl}_2$ with ethylene under analogous conditions. After the separation of the substances used from the reaction mass, a solid or resinous residue remains. In all experiments, coke and soot formed in the reaction tube. Table 2 gives the characteristics of the condensation products. There are 2 tables and 4 references, 1 of which is Soviet. ✓

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80002

High-temperature Condensation of Tetrachloroethylene
With Aromatic Hydrocarbons and Olefines

S/020/60/131/05/032/069
B011/B117

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk
SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the
Academy of Sciences, USSR)

SUBMITTED: October 19, 1959

Card 3/3

NIKISHIN, G.I.; SOMOV, G.V.; PETROV, A.D.

Free radical addition of cyclopentanone and cyclohexanone to
α-olefins and allyl ethers. Izv.AN SSSR.Otdk him.nauk no.11:
2065-2071 N '61. (MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cyclopentanone) (Cyclohexanone) (Olefins)

NIKISHIN, G.I.; SOMOV, G.V.; PETROV, A.D.

Synthesis of 1, 14-tetradecanedicarboxylic and 1.15-pentadecane-
dicarboxylic acids. Dokl. AN SSSR 136 no.5:1099-1101 P '61.
(MIRA 14:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. 2. Chlen-
korrespondent AN SSSR (for Petrov).
(Acids, Organic)

33269

S/062/62/000/001/008/014
B117/B101

15 7200

2209 1436

AUTHORS: Nikishin, G. I., Somov, G. V., Wang Shan-fu, and Petrov, A. D.

TITLE: Free radical addition of butyrolactone to unsaturated compounds

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 1, 1962, 146 - 151

TEXT: The reaction of γ -butyrolactone with unsaturated compounds in the presence of tert-butyl peroxide was studied. The purpose of the study was to find a convenient method of synthesizing α -alkyl- γ -butyrolactones. When using tert-butyl peroxide as initiator, γ -butyrolactone was found to add to α -olefins while forming α -alkyl- γ -butyrolactones. To find optimum conditions for this reaction, the dependence of the yield of α -alkyl- γ -butyrolactone on the molar ratio of lactone to decene was studied. An increase of this ratio from 5 : 1 to 40 : 1 under equal experimental conditions (155 - 160°C, 5 hrs) and at a constant peroxide consumption related to the olefin increases the yield of the 1:1 adduct by 30%. Maximum

X

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33269
S/062/62/000/001/008/015
B117/B101

Free radical addition of ...

increase is observable between 5 : 1 and 20 : 1. An increase of the molar ratio of olefin to peroxide from 1 : 0.05 to 1 : 0.15 increases the yield considerably, and with further increase to 1 : 0.35 it remains practically constant. Long-chained compounds were obtained at low peroxide consumption. At a peroxide consumption of 5%, the yield of α -decyl- γ -butyrolactone per decene was 51%, and per peroxide, 500%. At higher peroxide consumption, the amount of high-boiling residue increases, probably owing to the dimerization of radicals. The structure of the resulting products was confirmed by the synthesis of hydroxy acid amides from α - and γ -hexyl- γ -lactones. The good agreement between the present and published data suggests that γ -butyrolactone adds α -olefins to the CH_2 group neighboring the carbonyl group. It is stated that the yield of the 1 : 1 adduct increases as the boiling point of the olefin rises. To extend the range of application of the addition of lactone to a multiple bond, the condensation of lactone with unsaturated functional compounds was studied: vinyl butyl ester, allylacetate, undecylic acid. The poorest results were obtained with the first compound. With the other two, the yield of 1 : 1 adducts was comparable to that of α -alkyl- γ -butyrolactones. X

Card 2/3

NIKISHIN, G.I.; SOMOV, G.V.; PETROV, A.D.

Synthesis of dihydroambrettolite. Dokl. AN SSSR 144 no. 3:579-
580 My '62. (MIRA 15:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
2. Chlen-korrespondent AN SSSR (for Petrov).
(Ambrettolic acid)

NIKISHIN, G.I.; ROKOV, G.V.

Relative reactivity of cyclopentanone, cyclohexanone, and alkyl-
cyclohexanones in the reaction of radical addition to α -olefins.
Izv. AN SSSR. Ser. khim. no.5:876-882 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

AUTHOR: Somov, G. Ye., Docent SOV/154-58-1-19/22

TITLE: Serving the Sciences for Half a Century (Polveka v nauke)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerc-fotos"yemka, 1958, Nr 1, pp 157-159 (USSR)

ABSTRACT: On the occasion of the 75th birthday of Professor Akim Ivanovich Petrenko the Khar'kovskiy ordena Trudovogo Znameni sel'skokhozyaystvennyy institut im. V. V. Dokuchayeva (Khar'kov Institute of Agriculture imeni V. V. Dokuchayev, Honored With the Order of the Red Banner of Labor) honored this deserving scientist for his fifty years of scientific work. Born on September 20, 1882, in the Village of Troitskoye, Primorskaya oblast', he later studied geodesy in Moscow. After passing his exams, he worked, from 1909 till 1913, as astronomer-cartographer in remote and half explored regions of Dal'niy Vostok and Turkestan and participated in several expeditions. The triangulation of Ussuri was successfully finished under his direction. The great experiences of the honored scientist were the basis for his further successful scientific work. His work as a scientific educator began at the Voronezhskiy sel'skokhozyaystvennyy institut

Card 1/2

Serving the Sciences for Half a Century

SOV/154 53 1-19/22

(Voronezh Institute of Agriculture) in 1915. His 25 years of work at this institution bore rich fruit: in these years he wrote more than thirty scientific papers and a series of text-books. After 1938 Petrenko worked at the Voronezh State University. In 1944 he was awarded the Chair of Geodesy at the Khar'kov Institute of Agriculture imeni V. V. Dokuchayev. At present, the honored professor is concerned with the problem of perspective-conical coordinates and projections. He has written eight papers on this subject five of which have been published.

ASSOCIATION: Khar'kovskiy sel'skokhozyaystvennyy institut im V. V. Dokuchayeva
(Khar'kov Institute of Agriculture im. V. V. Dokuchayev)

Card 2/2

SOMOV, G.Ye., dotsent, kand.tekhn.nauk

Theoretically advisable standard size of triangulation triangles.
Izv.vys.ucheb.zav.; geod.i aerof. no.1:27-36 '61. (MIRA 14:6)

1. Khar'kovskiy ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennyy
institut imeni V.V.Dokuchayeva.
(Triangulation)

40013
S/035/62/000/008/058/090
A001/A101

3.4000 (4303)

AUTHOR: Somov, G. Ye.

TITLE: The general method for selecting the best combination of reference points for multiple and ordinary geodetic intersections

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 10 - 11, abstract 8097 ("Tr. Khar'kovsk. s.-kh. in-ta", 1961, v. 31 (68); 101 - 122)

TEXT: The general method for selecting the best combinations of reference points for intersections is based on using gradients and position lines. Direction gradient is calculated by the formula: $g = \frac{\rho}{s}$, where s is distance. The point being determined is connected with given reference points on the map (or triangulation scheme) by straight lines; one plots on them (from the point being determined) direction gradients, calculated or taken from a special table. Connecting consecutively the ends of the plotted gradients by straight lines, an inversion triangle (at ordinary intersection) or a polygon (at multiple intersection) is obtained. If M is the mean position error of the point being determined and m is mean error in measuring angles, then, for ordinary direct intersection

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S/O35/62/000/008/058/090
A001/A101

The general method for selecting the...

$$M = \pm m \sqrt{\frac{g_1^2 + g_2^2}{(2\Delta)^2}} = \pm m \sqrt{\frac{1}{h_1^2} + \frac{1}{h_2^2}},$$

where g_1 and g_2 are gradients of directions from reference points 1 and 2; Δ is the area of inversion triangle, h_1 and h_2 are heights of this triangle measured from the corresponding vertexes. In determining a point of ordinary resection from reference points 1, 2 and 3

$$M = \pm m \sqrt{\frac{g_\alpha^2 + g_\beta^2}{(2\Delta_1)^2}} = \pm m \sqrt{\frac{1}{h_1^2} + \frac{1}{h_3^2}},$$

where g_α and g_β are gradients of angles at the points being determined, Δ_1 is the area of inversion triangle whose vertexes are the ends of three direction gradients. For ordinary side intersection, when measured are the angle at one of the initial points (α) and angle β at the point P being determined,

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A001/A101

The general method for selecting the...

$$M = \pm m \sqrt{\frac{g_1^2 + g_2^2}{(2\Delta)^2}} = \pm m \sqrt{\frac{1}{h_1^2} + \frac{1}{h_p^2}}$$

The area of every inversion polygon can be represented as the sum of areas of inversion triangles of independent ordinary intersections. Accordingly, for a multiple direct intersection:

$$M = \pm m \sqrt{\frac{1}{4} \frac{[gg]}{[\Delta\Delta]}}$$

for a multiple resection:

$$M = \pm m \sqrt{\frac{1}{4} \cdot \frac{[g \text{ angle } g \text{ angle}]}{[\Delta_1 \Delta_1]}}$$

and for a combined intersection:

Card 3/4

The general method for selecting the...

S/035/62/000/008/058/090
A001/A101

$$M = \pm m \sqrt{\frac{1}{8} \cdot \frac{n [gg] + [g \text{ angle } g \text{ angle}]}{n[\Delta\Delta] + [\Delta_1 \Delta_1]}}$$

In the latter three formulae, the quantities under a radical sign are those inverse to intersection figure weight; they depend solely on the position of the point being determined in respect to initial points. Analyzing the data of experimental calculations, the author draws several conclusions: 1) The mean position error of the point being determined increases considerably more slowly than the reduction of the number of reference points taking part in intersection. Therefore, one has to select a better combination of initial points with their minimum number. 2) The error in measuring angles being the same, the accuracy of intersection depends mainly on the shape and dimensions of the inversion figure. 3) At the same given points and the same error in angle measurements, the type of intersection plays no role, because the figures of intersection have equal weights. 4) The proposed method of determining the quantity inverse to the weight of intersection figure yields sufficiently high precision and can be used in practice.

[Abstracter's note: Complete translation]

V. Pavlov

Card 4/4

USSR / General and Specialized Zoology - Insects

0-7

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 23233

Author : Somov, I.A., Bogush, P.P., Kuzina, V.P.

Inst : Not Given

Title : Increasing Usefulness of Control Measures with Cotton Cutworm Moth.

Orig Pub : Itogi rabot Vses. n.-i. in-ta khlopkovodstva, 1956 (1956),
No 4, 47-49

Abstract : While feeding on cotton plants with fruit organs, 82% of caterpillars survived; 14% on cotton plants with fruit organs removed; > 30% of alfalfa; on nightshade and licorice all caterpillars died. In the Mary oblast the first generation of cotton plant cutworm moth developed on alfalfa. The egg deposits in 1954 began after April 20th. In May 90% were infected; in June 70% of the alfalfa area was infected with an average number of caterpillars correspondingly 1 and 2 on /m². However, on the cotton plant fields adjacent to alfalfa, single

Card : 1/2

SOMOV, I. A., starshiy nauchnyy sotrudnik

Species and significance of cotton bollworm. Zashch. rast.
ot vred. i bol. 5 no.6:44-45 Je '60. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut zashchity rasteniy,
Tashkent.

(Cotton—Diseases and pests) (Bollworm)

USPENSKIY, F.M., kand. biol. nauk; ~~SOMOV, I.A.~~; MUMINOV, A.M.,
kand. sel'khoz. nauk; IVANOV, Ye.N., kand. biol. nauk;
VASIL'YEV, A.A., kand. sel'khoz. nauk; SOLOV'YEVA, A.I.,
kand. sel'khoz. nauk; ZAPROMETOV, N.G., doktor sel'khoz.
nauk; YAKHONTOV, V.V., doktor biol. nauk; KAPUSTINA, R.I.;
STROMM, N.G.; POLEVSHCHIKOVA, V.N., kand. sel'khoz. nauk;
KARIMOV, M.A., doktor biol. nauk; NOSKOV, I.G., kand. sel'-
khoz. nauk; KHODZHAYEV, A.Kh.; ALEYEV, B.G., kand. sel'khoz.
nauk; YAKHONTOV, V.V., doktor biol. nauk; STEPANOV, F.A.;
LYUBETSKIY, Kh.Z., kand. med. nauk; GUREVICH, B.E.;
KONDRAT'YEV, V.I.; SUDARS, L.P.; KOSTENKO, I.R., zasl. agr.
Uzbekskoy SSR; GORELIK, I.M., red.; BAKHTIYAROV, A., tekhn.
red.

[Manual on controlling the pests, diseases and weeds of cot-
ton, corn, and legumes] Spravochnik po bor'be s vrediteliami
i bolezniami khlopchatnika, kukuruzy i bobovykh kul'tur. Izd.2.,
perer. i dop. Tashkent, Gos.izd-vo UzSSE, 1963. 325 p.

(MIRA 16:5)

(Field crops—Diseases and pests)
(Weed control)

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53835

Author : Somov, I.P.

Inst :

Title : The Causes of the Loss of the Eyes of the Grape Plant

Orig Pub : Sadovodstvo vinogradarstvo i vinodeliye Moldavii, 1957,
No 3, 38-40

Abstract : This articles examines the little studied problem of the loss of eyes in the vineyards that are closed. The loss of the eyes of the grape vine is explained differently by different authors: deficiency or excess of air in the soil, carbohydrate deficiency or the effect of micro-elements. The studies of the Anapa zonal experimental station showed that the loss of the eyes from rotting reaches 31% on the seaside sandy soils and 16.4% on the chernozem. The article cites the data on the water properties and the aeration of soils on the establishments

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USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur Biol., No 12, 1958, 53835

M

of Anapa region. It is evident from this data that lack of air can hardly be considered as the chief reason for the loss of the eyes. -- R.I. Serebryannyy.

Card 2/2

SOMOV, K.

Low shrinkage fabric. *Бумага 1 шисн'* 20 no.8:48 Ag '53. (MLBA 6:8)
(Textile fabrics)

USSR/Medicine - Brucellosis
Mouth, Pathology

1949

"Changes in the Oral Cavity Caused by Brucellosis,"
K. V. Somov, Sci Res Inst of Malaria and Med Parasitology
Inst Prof Virsaladze, Tbilisi, 2 pp

"Stomatologiya" No 3

PA 2/50183

Brucellosis was first described in USSR in 1922 by
Professors Kyrulov and Smirnov and Docent Zdradov-
skiy and Ngebrov, and later by Isaakyan, Malchviladze,
and Kandelaki. During World War II, Somov studied
79 cases in Evacuation Hosp at Main Inst of Tropical
Diseases. Observed various types of gingivitis and
parodontitis, marginalis, atrophicans and denudans
2/50183

USSR/Medicine - Brucellosis
Mouth, Pathology
1949

In many cases. Observed resultant changes in the
oral cavity in 88.5% of the cases. Prescribes
general dental care and some special preparations,
such as peroxide. Dir, Inst of Malana and Med
Parasitology: Docent G. M. Marushvili.

SOMOV, K. V.

2/50183

SOMOV, M.M., and ZUBOV, N.N.

"The Ice Drift of the Central Part of the Arctic Basin," Problemy
Arktiki, (2): 51-68, 1940

Translation 602001

СОНОВ, М. М.

Materialy nablyudeniya nauchno-issledovatel'skoy dreyfuyushchey stantsii #
1950/51 goda [Observations of the drifting research station of 1950-51].
3 vols.. 1954-55 [REDACTED].

BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., prof., otvetstvennyy red. vypuska; AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.F., red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V., red.; SHCHERBAKOV, D.I., akademik, red.; MIRONENKO, Z.I., red.; BRAYNINA, M.I., tekhn.red.

[Hydrological, hydrochemical, geological, and biological studies on the diesel-electric research ship "Ob", 1955-1956] Gidrologicheskie, gidrokhimicheskie, geologicheskie i biologicheskie issledovaniia; dizel'-elektrokhod "Ob'," 1955-1956 gg. (MIRA 12:2)

1. Akademiya nauk SSSR. 2. Zamestitel' nachal'nika Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR; nachal'nik l-go reysa morskoy chasti kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Kort). 3. Nachal'nik Gidrograficheskogo upravleniya Glavsevmorputi Ministerstva morskogo flota SSSR (for Afanas'yev). 4. Ministr Morskogo flota SSSR (for Bakayev). 5. Zamestitel' nachal'nika Gidrograficheskogo upravleniya Glavsevmorputi Ministerstva morskogo flota SSSR (for Burkhanov). 6. Nachal'nik Glavnogo upravleniya Gidrometeorologicheskoy sluzhby SSSR (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Somov). 8. Direktor Arkticheskogo nauchno-issledovatel'nogo instituta Gidrograficheskogo upravleniya Glavsevmorputi (for Frolov).
- (Antarctic regions)

SOMOV, M.M., doktor geograficheskikh nauk, geroy Sovetskogo Soyuz.

To the Antarctic. Znan. sila 31 no.1:30-31 Ja '56.(MLRA 9:4)

1. Nachal'nik Antarkticheskoy ekspeditsii.
(Antarctic regions)

SOMOV, M.M.

First results of work done by the Antarctic Expedition. Probl. Arkt.
no.2:233-240 '57. (MIRA 11:12)
(Antarctic regions)

26-11-16/16

AUTHOR: Somov, M.M., Doctor of Geographical Sciences

TITLE: On the Antarctic Continent (Na materike Antarktidy)

PERIODICAL: Priroda, 1957, # 11, p 135-144 (USSR)

ABSTRACT: The author, who led the first Soviet expedition to Antarctica, reports on the activities of his men, who spent 13 months in the uninhabited snow desert with the objective of studying natural phenomena. The expedition consisted of 92 men and was organized by the USSR Academy of Sciences in connection with the International Geophysical Year. Immediately on arrival in June 1955, the explorers started building a geophysical observatory on the coast - named "Mirnyy" - and two intracontinental scientific stations "Vostok" and "Sovetskaya". An entire village, consisting of 20 buildings had to be constructed, along with a diesel power station, a clinic, a steam bath etc. The continent was explored with planes and helicopters which flew a total of 300,000 km in all kinds of weather and photographed from the air an area of 60,000 sq km. Small teams of scientists were dispatched into the interior of the continent by tractors and dog sleds. They found that

Card 1/2

BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., otv.red.vypuska;
AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.F.,
red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V.,
red.; SHCHERBAKOV, D.I., akademik, red.; MIRONENKO, Z.I.,
red.; BRAYNINA, M.I., tekhn.red.

[Aerological and meteorological studies of the diesel electric
ship "Ob", " 1955-1956] Aerologicheskie i meteorologicheskie
issledovaniia; dizel'-elektrokhod "Ob", " 1955-1956 gg. Lenin-
grad, Gidrometeorologicheskoe izd-vo, 1958. 216 p. (MIRA 12:6)

1. Morskaya antarkticheskaya ekspeditsiya na dizel'-elektrokhode
"Ob", " 1955-1956. 2. Zamestitel' nachal'nika Kompleksnoy ant-
arkticheskoy ekspeditsii Akademii nauk SSSR (for Kort). 3. Na-
chal'nik Glavnogo upravleniya Severnogo Morskogo Puti Ministerstva
morskogo flota (for Afanas'yev). 4. Ministr Morskogo flota (for
Bakayev). 5. Zamestitel' nachal'nika Glavnogo upravleniya Severnogo
Morskogo Puti Ministerstva morskogo flota (for Burkhanov).
6. Nachal'nik Glavnogo upravleniya Gidrometeorologicheskoy sluzhby
SSSR (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy
ekspeditsii Akademii nauk SSSR (for Somov). 8. Direktor Arkti-
cheskogo nauchno-issledovatel'skogo instituta Glavnogo upravleniya
Severnogo Morskogo Puti (for Frolov).

(Antarctic regions--Meteorology--Observations)

BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., prof., otv. red.; AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.P., red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V., red.; SHCHERBAKOV, D.I., red.; SPRYGINA, L.I., red. izd-va; SHOKHET, B.S., red. izd-va; KASHINA, P.S., tekhn. red.

[Description of the expedition on board the diesel ship "Ob", 1955-1956] Opisanie ekspeditsii na dizel'-elektrokhode "Ob", 1955-1956 gg. Moskva, 1958. 237 p. (MIRA 12:1)

1. AN SSSR. 2. Nachal'nik I reysa morskoy antarkticheskoy ekspeditsii AN SSSR (for Kort). 3. Nachal'nik Glavsevmorputi Ministerstva morskogo flota SSSR (for Afanas'yev). 4. Ministr morskogo flota SSSR (for Bakayev). 5. Zamestitel' nachal'nika Glavsevmorputi (for Burkhanov) 6. Nachal'nik Glavnogo upravleniya Gidrometeluzhby (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy ekspeditsii (for Somov). 8. Direktor Arkticheskogo n.-i. instituta Gidrografi-cheskogo upravleniya Glavsevmorputi (for Frolov). 9. Predsedatel' Soveta po antarkticheskim issledovaniyam AN SSSR (for Shcherbakov).
(Antarctic regions)

SOMOV, M.M., doktor geograficheskikh nauk

Soviet research in the Antarctic continent. Inform.biul.Sov.
Antark.eksp. no.1:7-10 '58. (MIRA 12:8)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut. (Antarctic regions)

SOV/169-59-7-6840

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 7, p 49 (USSR)

AUTHORS: Somov, M.M., Kopteva, A.V.

TITLE: The Flood of ¹²⁾Tide in the Region of the ¹²⁾Mirnyy Station^{III}

PERIODICAL: Inform. byul. Sov. antarkt. ekspeditsii 1958, Nr 1, pp 73 - 78

ABSTRACT: Observations by the "Valday" tide gauge mounted on the coast ice were carried out from November 22, 1956 to January 9, 1957. A site plan and the description of the tide gauge equipment are presented. The readings of the "Valday" device are compared with the readings of the pneumatic tide gauge of the "Sntorm" type. It is shown that the error owing to the sagging of the rope is very small for the "Valday" tide gauge. A series of 30 diurnal observations has been utilized for computing the harmonic constants of flood of tide. The processing is carried out by the Darwin method. The semidiurnal M_2 wave and the diurnal waves K_1 and O_1 have predominating significance; the amplitudes of all three waves are nearly equal. The results obtained are

Card 1/2

SOV/169-59-7-6840

The Flood of Tide in the Region of the Mirnyy Station

compared with the data from the "Gauss" expedition (1902), and the close connection between them is shown. The values of the cotidal hours obtained for the semidiurnal M_2 wave and the diurnal K_1 wave fit easily in the existing systems of the cotidal lines of the semidiurnal and diurnal tides of the Pacific Ocean. The nonharmonic constants are cited.

A.N. Ovsyannikov ✓

Card 2/2

SOMOV, M.M.

Session of the Special Committee for Antarctic Research at the
International Council of Scientific Unions. Inform. biul. Sov.
antarkt. eksp. no.2:47-48 '58. (MIRA 12:8)

1. Predsedatel' Sovetskoy antarkticheskoy ekspeditsii.
(Antarctic regions--Congresses)

SOMOV, M.M.

Complex Antarctic expedition of the Academy of Sciences of the
U.S.S.R. in 1955-1957. Mezhdunar.goeffiz.god no.4:89-97 '58.
(MIRA 11:11)
(Antarctic regions--Geophysical research)

SOMOV, M.M., doktor geograf.nauk, red.

[List of geographical names of the eastern Antarctic] Perechen'
geograficheskikh nazvaniy vostochnoi Antarktity. Pod red. M.M.
Somova. Leningrad, Izd-vo "Morskoi transport," 1959. 82 p.
(MIRA 12:12)

1. Leningrad. Arkticheskii i antarkticheskii nauchno-issledo-
vatel'skiy institut.

(Antarctic regions--Names, geographical)

SOMOV, Mikhail Mikhaylovich, doktor geograf.nauk, red.; KAPLINSKAYA,
L.G., red.; KOTLYAKOVA, O.I., tekhn.red.

[Materials of the Soviet Antarctic Expedition] Materialy
Sovetskoy antarkticheskoy ekspeditsii. Leningrad, Izd-vo
"Morskoi transport." Vol.1. [First Continental Expedition,
1955-1957; general description] Pervaia kontinental'naya
ekspeditsiia, 1955-1957 gg.; obshchee opisanie. Pod red. M.M.
Somova. 1959. 211 p. (MIRA 13:9)

1. Sovetskaya antarkticheskaya ekspeditsiya, 1955- .
(Antarctic regions--Russian exploration)

SOMOV, M.M., doktor geograf.nauk, red.; TAUBER, G.M., doktor geograf.
nauk, red.; DOLGIN, I.M., kand.geograf.nauk, red.; ZVEREV, A.A.,
kand.geograf.nauk, red.; DROZHZHINA, L.P., tekhn.red.

[Materials of the Soviet Complex Antarctic Expedition] Materialy
Sovetskoi kompleksnoi antarkticheskoi ekspeditsii. Leningrad,
Izd-vo "Morskoi transport." Vol.2. [First Continental Expedition,
1955-1957; scientific results] Pervaia kontinental'naiia ekspeditsiia,
1955-1957 gg.; nauchnye resul'taty. Pod red. M.M.Somova. 1959.
161 p. Vol.3. [First Continental Expedition, 1955-1957; observation
data] Pervaia kontinental'naiia ekspeditsiia, 1955-1957 gg.; materialy
nabliudeni. Pod red. G.M.Taubera. 1959. 459 p. Vol.4. [First
Continental Expedition, 1955-1957; observation data] Pervaia konti-
nental'naiia ekspeditsiia, 1955-1957 gg.; materialy nabliudeni. Pod
red.G.M.Tauber, I.M.Dolgina. 1959. 482 p. Vol.6. [Second Marine
Expedition in the diesel-electric ship "Ob'", 1956-1957; observation
data] Vtoraia morskaiia ekspeditsiia na d/e "Ob'", 1956-1957 gg.;
materialy nabliudeni. Pod red. A.A.Zvereva. 1959. 386 p.
(MIRA 13:3)

1. Sovetskaya kompleksnaya antarkticheskaia ekspeditsiia, 1955-1958.
(Antarctic regions--Russian exploration)

SOMOV, M.M.

Third session of the Special Committee for Antarctic Research, held
in Canberra. Inform. biul. Sov. antark. eksp. no.8:32-33 '59.
(MIRA 13:3)

(Antarctic regions)

SOMOV, M.M., otv. red.; MAKSIMOV, I.V., zamostitel' otv.red.; TRISHNIKOV,
A.F., zamostitel' otv.red.; ANDRIYASHEV, A.P., red.; BUYNITSKIY, V.Kh., red.;
VORONOV, P.S., red.; DOLGIN, I.M., red.; KALESIK, S.V., red.;
KOROTKEVICH, Ye.S., red.; NIKOL'SKIY, A.P., red.; RAVICH, M.G.,
red.; TAUBER, G.M., red.; FROLOV, V.V., red.; SLEVICH, S.B.,
red.; KAPLINSKAYA, L.G., red. izd-va; DROZHZHINA, L.P., tekhn.red.

[Report on observations completed by the Soviet Antarctic Ex-
pedition in 1957 and 1958] Otchet o nabludeniakh, vypolnennykh
Sovetskoj antarkticheskoj ekspeditsiei v 1957 i 1958 gg.
Sovetskaja antarkticheskaja ekspeditsiia, 1955-1958. Leningrad,
Izd-vo "Morskoi transport," 1960. 39 p (Informatsionnyi biul-
letin', no. 15) (MIRA 13:6)

(Antarctic regions--Russian exploration)

SOLOV, M.M.

The Antarctic symposium in Buenos Aires, 1959. Inform. biul. Sov.
antark. eksp. no.16:31-32 '60. (MIRA 13:12)
(Antarctic regions—Congresses)

SOMOV, M.M.

Fourth session of the Special Committee for Antarctic Research.
Inform. biul. Sov. antark. eksp. no. 24:56-57 '60. (MIRA 14:5)
(Antarctic regions)

SOMOV, M.M., doktor geogr. nauk

The eighth seasonal expedition. Inform. biul. Sov. antark.
eksp. no.46:5-9 '64 (MIRA 18:1)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.

SOMOV, M.M. , doktor geograf. nauk

Seasonal work of the Ninth Soviet Antarctic Expedition. Inform.
biul. Sov. antark. eksp. no.51 5-12 '65. (MIRA 13:9)

1. Arkticheskij i antarkticheskij nauchno-issledovatel'skij institut.

SOMOV, N.M., *nauchn. geogr. nauk*

11th Session of the International Special Committee for Antarctic
Research (S.C.A.R.). Inform. biul. Sov. antark. eksp. no. 52:5-14 '65.
(MIRA 18:10)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

SOMOV, M. M.

USSR/ Miscellaneous - Telephone networks

Card 1/1 : Pub. 133 - 21/24

Authors : Somov, M. M., Engineer

Title : Deficiencies in instructions for eliminating break-downs of city telephone lines

Periodical : Vest. svyazi 6, 30-31, June 1954

Abstract : The deficiencies in the general instructions regarding elimination of frequent break-downs of city telephone networks are listed.

Institution : Ministry of Communications, USSR

Submitted : ...

SOMOV, M. P., PIRYUTKO, M. M., ZILBERSHTEYN, Kh. I., and NIKITINA, O. N.

"Spectroscopic analysis of highly pure silicon after preconcentration"

report to be submitted for the Intl. Symposium on Pure Substances in Science
and Technology, East German Chemical Soc., Dresden, East Germany
30 November - 2 December ;96;

SLOV, I.I., and Phys. Math. Sci. (Moscow) "Study of the ... and ...
of the ... in this system." Nov, 1958. 7 pp (Moscow Sci USSR. Inst of
Technics), 150 words. Printed ~~circ~~ ^{circ} application. ~~1958~~ ¹⁹⁵⁸ (11, 25-52,
107)

- 11 -

Somov, N. I.

24-2-19/28

AUTHOR: Somov, N. I. (Moscow).

TITLE: Solution of the mixed static problem of the theory of elasticity for an infinite strip. (R-sheniye smeshannoy staticheskoy zadachi teorii uprugosti dlya beskonechnoy polosy).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, No.2, pp. 136-138 (USSR).

ABSTRACT: In solving a number of dynamic problems of the theory of elasticity it is possible to utilise the approximate quasi-static method of integration of the dynamic equations as proposed by Prof. Kh. A. Rakhmatulin. The essence of this method consists in the fact that integration of dynamic equations is reduced to integrating non-uniform static equations with a known law of distribution of the inertia forces. Thereby, the inertia forces are substituted by the respective approximate expressions which are obtained from solving appropriately formulated hydrodynamic problems. An important feature of the dynamic problems of the theory of elasticity is the fact that the displacements of the points of the front of the longitudinal wave are known in advance. Displacement of a particle of the medium in the instant of passage of

Card 1/2

SOMOV, N.I. (Moskva)

Problem of the breaking-off in an acoustic approximation for the case
of plane strained state. Inzh.sbor. 31:188-195 '61. (MIRA 14:6)
(Elastic plates and shells)

SOMOV, N.N.; KUCCHARINA, K.I., red.; ZABOLOTSKAYA, A.A., red.;
LYAKHOVICH, E.A., red. izd-va; KORNYUSHINA, A.S.,
tekhn. red.

[Mechanization and electrification of lumbering; bibliographical
index of Soviet literature for 1922-1957] Mekhanizatsiya i elek-
trifikatsiya lesozagotovok; bibliograficheskiy ukazatel' oteche-
stvennoi literatury za 1922-1957 gg. Moskva, Goslesbumizdat,
1959. 20 p. (MIRA 16:4)

1. Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka les-
noy i bumazhnoy promyshlennosti.

(Bibliography--Lumbering--Machinery)

(Bibliography--Electricity in lumbering)

SCMOV, N.N.; GROSS, L.G.; NOVIKOV, I.A.

Investigating the drying of emulsion layers under vacuum
in case of radiation heating. Zhur. nauch. i prikl. fot. i
kin. 8 no.3:209-210 My-Je '63. (MIRA 16:6)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofoto-
instituta, Kazan'.
(Photographic emulsions--Drying)

KALININ, G.P.; SOMOV, N.V., red.; RULEVA, M.S., tekhn. red.

[Principles underlying methods used in short-range hydrological forecasting] Osnovy metodiki kratkosrochnykh prognozov vodnogo rezhima. Leningrad. Gidrometeor. izd-vo, 1952. 165 p. (Moscow. Tsentral'nyi institut prognozov. Trudy, no 28) (MIRA 12:1)
(Rivers)

KOMAROV, Valentin Dmitriyevich; SOMOV, N.V., redaktor; SHATILINA,
I.K., redaktor; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor.

[Hydrological analysis and forecasting spring floods of rivers
in flat country] Gidrologicheskii analiz i prognoz vesennego
polovod'ia ravninnykh rek. Leningrad, Gidrometeorologicheskoe
izd-vo, 1955. 303 p. (MLRA 8:11)
(Floods)

Somov, N.V.

AID P - 1446

Subject : USSR/Meteorology and Hydrology

Card 1/2 Pub. 71-a - 20/23

Author : Somov, N. V., Kandidat of Tech. Sciences

Title : A. I. Ohebotaryev, Gidrologiya sushi i raschety rechnogo stoka, (Hydrology of land and computation river runoff), Publishing House, 1953. (Book review)

Periodical : Met. i gidro., 1, 61-63, Ja - F 1955

Abstract : In reviewing the book the author says that this monograph may also be considered as a textbook and a fundamental work in the study of the hydrology in higher technical institutes. Giving a somewhat critical opinion of parts of the book, the author emphasizes the chapters covering rivers and their runoff, written at a high scientific level and giving valuable practical information. This renders the book much more than a textbook. Another point deserving special attention is the great number of names

SOMOV, N.V.

Efim Il'ich Rinenberg; obituary, Meteor. i gidrol. no.12:61 D'56.
(MIRA 10:1)

(Rinenberg, Efim Il'ich, 1899-1956)

SOMOV, N. V.

KALININ, Genadiy Pavlovich; MAKAROVA, Tat'yana Timofeyevna; SOMOV, N.V.,
otvetstvennyy redaktor; SHATILINA, M.K., redaktor; PLAUM, M.Ya.,
tekhnicheskiiy redaktor.

[Hydrometeorological factors determining the occurrence of high
water in the flat land rivers of European Russia] Gidrometeorologi-
cheskie usloviia formirovaniia vysokogo polovod'ia na ravninnykh
reках Evropeiskoi territorii SSSR. Leningrad, Gidrometeorizd-
vo 1957. 177 P. (MLRA 10:6)

(Rivers)

AUTHOR:

Somov, N. V.

TITLE:

Hydrological Basis of a Uniform Power Supply System
(Gidrologicheskaya osnova yedinoi energeticheskoy sistemy)

PERIODICAL:

Meteorologiya i gidrologiya, 1958, Nr 7, pp. 58-59 (USSR)

ABSTRACT:

There is no doubt that the discharge in the rivers of the
USSR is not synchronous. L. K. Pavydov (ref 1), I. S. Kuzin
(Ref 3), T. M. Kochukova (Ref 2), and other authors dealt
with this problem with respect to the annual discharge. The
investigations carried out by the author which also com-
prised a general geographical and hydrological analysis, on
principle dealt with the problems of power supply, i.e. they
were adapted to the directives of great hydrostations in
operation, under construction, or projected and take into
account the indicated schemes of their connection for the
purpose of joint operation. The preliminary results of the
investigations are as follows. 1) A distinctly marked (how-
ever, not an unconditional) discharge asynchronism is found
between the rivers in the region of the European USSR on the
one hand and the rivers of Siberia, Central Asia, and the